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APPENDIX B

PENDING CLAIMS

1	1. (As filed) A method of treating a neoplasia in a mammal, said		
2	method comprising administering to said mammal a serum-stable nucleic acid-lipid		
3	particle comprising a nucleic acid portion that is fully encapsulated within the lipid		
4	portion, wherein said administration is by injection at an injection site that is distal to said		
5	neoplasia in said mammal.		
1	2. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein said nucleic acid comprises an expressible gene.		
1	2 (As Clad) A mode of scanned and the scanned at th		
1	3. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 2, wherein said expressible gene encodes a member selected from		
3	the group consisting of therapeutic polypeptides and therapeutic polynucleotides.		
1	4. (As filed) A method of treating a neoplasia in a mammal in		
	(and a second of the second o		
2	accordance with claim 2, wherein said gene is exogenous.		
1	5. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 3, wherein said gene is a member selected from the group		
3	consisting of genes encoding suicide enzymes, toxins and ribozymes.		
	,		
1	6. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 2, wherein said gene encodes a member selected from the group		
3	consisting of herpes simplex virus thymidine kinase (HSV-TK), cytosine deaminase,		
4	xanthine-guaninephosphoribosyl transferase, purine nucleoside phosphorylase,		
5	cytochrome P450 2B1 and analogs thereof.		
1	7. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 2, wherein said gene is homologous.		

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1	8. (As filed) A method of treating a neoplasia in a mammal in	
2	accordance with claim 2, wherein said gene encodes a member selected from the grou	
3	consisting of proto-oncogenes, cytokines, immune stimulatory proteins and anti-	
4	angiogenic proteins.	

- 9. (As filed) A method of treating a neoplasia in a mammal in accordance with claim 2, wherein said gene is a member selected from the group consisting of IL-2, IL-12, IL-15 and GM-CSF.
- 1 10. (As filed) A method of treating a neoplasia in a mammal in 2 accordance with claim 2, wherein a therapeutically effective amount of said gene is 3 generated at said neoplasia.
- 1 11. (As filed) A method of treating a neoplasia in a mammal in 2 accordance with claim 1, wherein said nucleic acid-lipid particle comprises a 3 protonatable lipid having a pKa in the range of about 4 to about 11.
- 1 12. (As filed) A method of treating a neoplasia in a mammal in 2 accordance with claim 11, wherein said protonatable lipid is a member selected from the 3 group consisting of DODAC, DODAP, DODMA, DOTAP, DOTMA, DC-Chol, DMRIE, 4 DSDAC and mixtures thereof.
- 1 13. (As filed) A method of treating a neoplasia in a mammal in 2 accordance with claim 1, wherein said nucleic acid-lipid particle comprises a lipid 3 conjugate that prevents aggregation during formulation.
- 1 14. (As filed) A method of treating a neoplasia in a mammal in 2 accordance with claim 13, wherein said lipid conjugate is a member selected from the 3 group consisting of PEG-lipids and PAO-lipids.

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1	15. (As filed)	A method of treating a neoplasia in a mammal in		
2	accordance with claim 13, wherei	accordance with claim 13, wherein said lipid conjugate is reversibly associated with an		
3	outer lipid monolayer, and where	outer lipid monolayer, and wherein said lipid conjugate exchanges out of said outer lipid		
4	monolayer at a rate faster than PEG-CerC20.			
1	16. (As filed) A	A method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein	said nucleic acid-lipid particle is substantially devoid		
3	of detergents and organic solvents.			
1	17. (As filed) A	A method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein a therapeutically effective amount of said nucleic acid-			
3	lipid particle accumulates at said neoplasia.			
	• •	·		
1	18. (As filed) A	method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein	accordance with claim 1, wherein a therapeutic effect is detected at the site of said		
3	neoplasia.			
1	19. (As filed) A	method of treating a neoplasia in a mammal in		
2	accordance with claim 17, wherein said therapeutically effective amount comprises			
3	greater than about 0.5% of an administered dose.			
1	20. (As filed) A	method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein said nucleic acid-lipid particle has a diameter of abou			
3	50 nm to about 200 nm.			
1	21 (A. El. 1)			
1	·	method of treating a neoplasia in a mammal in		
2	accordance with claim 20, wherein said nucleic acid-lipid particle has a diameter of about			
3	60 nm to about 130 nm.			
1	22. (As filed) A	method of treating a neoplasia in a mammal in		
2	accordance with claim 20, wherein	n said nucleic acid-lipid particles are of a uniform size.		

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I	23. (As filed) A method of freating a neoplasia in a mammal in		
2	accordance with claim 1, wherein said nucleic acid-lipid particle has a nucleic acid to		
3	lipid ratio of greater than about 3 mg nucleic acid to mmole of lipid.		
1	24. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 23, wherein said particle has a nucleic acid to lipid ratio of greate		
3	than about 14 mg nucleic acid to mmole of lipid.		
1	25. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 23, wherein said particle has a nucleic acid to lipid ratio of greater		
3	than about 25 mg nucleic acid to mmole of lipid.		
1	26. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein said nucleic acid remains at least 90% intact when said		
3	particle containing about 1 µg DNA is treated with about 100 U DNAse 1 in digestion		
4	buffer at 37°C for 30 min.		
1	28. (As filed) A method of treating a neoplasia in a mammal in		
2	accordance with claim 1, wherein said administering is performed at least once per eight		
3	weeks.		
1	35. (New) A method of treating a neoplasia in a mammal, in		
2	accordance with claim 5, wherein said gene encodes a suicide enzyme.		
1	36. (New) A method of treating neoplasia in a mammal in accordance		
2	with claim 35, further comprising administering a prodrug.		
1	37. (New) A method of treating a neoplasia in a mammal in		
2	accordance with claim 36, wherein said prodrug is administered after the serum stable		
3	nucleic acid-lipid particle.		

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1 38. (New) A method of treating a neoplasia in a mammal in 2 accordance with claim 36, wherein said prodrug is administered before the serum stable 3 nucleic acid-lipid particle.

- 1 39. (New) A method of treating a neoplasia in a mammal in accordance with claim 9, further comprising administering a chemotherapeutic agent.
- 1 40. (New) A method of treating a neoplasia in a mammal in 2 accordance with claim 39, wherein the chemotherapeutic agent is administered after the 3 serum stable nucleic acid-lipid particle.
- 1 41. (New) A method of treating a neoplasia in a mammal in 2 accordance with claim 39, wherein the chemotherapeutic agent is administered before the 3 serum stable nucleic acid-lipid particle.